



Department of Environmental Quality, Water Bureau

**PESTICIDE APPLICATION  
TO SURFACE WATERS OF THE STATE OF MICHIGAN**

Permits are required by Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), and Part 33, Aquatic Nuisance Control, of the NREPA (Part 33).

**AQUATIC NUISANCE CONTROL GENERAL PERMIT**

**GENERAL PERMIT NO. ANCG09-96 (AMENDMENT 1)  
AQUATIC NUISANCE CONTROL ACTIVITIES FOR CANALS AND MARINAS  
LOCATED ON THE GREAT LAKES AND CONNECTING WATERS**

Date Effective: May 19, 2009

Date Expires: December 31, 2009

**Authority granted by this permit amendment is subject to the following conditions and limitations:**

**ADD THE FOLLOWING CHEMICALS (SECTION B2):**

<b>Category</b>	<b>Active Ingredient</b>	<b>Brand Name : Maximum Application Rate</b>
Submerged Plant Control	diquat dibromide	Redwing <sup>1,2</sup> : 2.0 gal/acre
Emergent Plant Control	glyphosate (including surfactant)	GlyphoMate 41: 8.5 pints/acre

<sup>1</sup> Certain herbicide labels require or strongly recommend the use of additives to aid herbicide uptake, improve effectiveness, and minimize non-target impacts.

<sup>2</sup> Certification requirements apply.

**UPDATE THE FOLLOWING CHEMICALS (SECTION B2):**

<b>Category</b>	<b>Active Ingredient</b>	<b>Brand Name : Maximum Application Rate</b>
Algae Control	sodium carbonate peroxyhydrate	Phycomycin SPC Algaecide & Oxidizer: 46.9 lbs/acre-foot-100 pounds/acre-foot

UPDATE THE FOLLOWING TREATMENT INTERVAL TABLE (SECTION B3):

Active Ingredient	Minimum Treatment Interval <sup>1</sup>
2,4-D <sup>1</sup>	14 days minimum between treatments (Navigate) 21 days minimum between treatments (Aquacide)
chelated copper	7 days minimum between treatments (except Komeen and Nautique: 4 weeks minimum; Copper-EDA, Current, Formula F-30, Harpoon, PondWeed Defense: 10 days minimum)
colorant/water dye	24 hours minimum between treatments
copper sulfate	7 days minimum between treatments
diquat dibromide	14 days minimum between treatments
endothall	5 days minimum between treatments
glyphosate	24 hours minimum between treatments
hydrogen dioxide	48 hours minimum between treatments
imazamox	No label requirement
imazapyr <sup>1</sup>	10 days minimum between treatments
sodium carbonate peroxyhydrate	48 hours minimum between treatments
triclopyr <sup>1</sup>	10 days minimum between treatments

<sup>1</sup> Per the federal product labels, do not apply Aquacide (2,4-D) more than two times per season to the same area; do not apply more than 6 pints of imazapyr per acre per year; do not apply more than 8 quarts of triclopyr per acre per year.

<sup>1</sup> Refer to the federal product labels for annual limits on applications.

**All other conditions of the original General Permit remain in effect.**

Steven E. Chester, Director  
Department of Environmental Quality

By: Richard M. Hobla

Date: May 19, 2009

Richard M. Hobla, Chief  
Aquatic Nuisance Control and Remedial Action Unit  
Water Bureau